



Standards *Actions*

DOE Projects Initiated

The following DOE technical standards projects were recently initiated. If you have any questions or are interested in participating in the development of these standards, please contact the persons listed below.

Note: This announcement serves as a reaffirmation notice for the documents listed below. No changes to these documents are required; however, they will be reissued as DOE Handbooks.

- *Guide to Good Practices for Developing and Conducting Case Studies*, Project Number TRNG-0006 (will replace DOE-STD-1058-93); Jim Pearrell, EH-31; 208-526-4379, FAX 208-526-9650, jsp@inel.gov.
- *Guide to Good Practices for Continuing Training*, Project Number TRNG-0008 (will replace DOE-STD-1060-93); Jim Pearrell, EH-31; 208-526-4379, FAX 208-526-9650, jsp@inel.gov.
- *Guide to Good Practices for the Selection, Training, and Qualification of Shift Supervisors*, Project Number TRNG-0009 (will replace DOE-STD-1061-93); Jim Pearrell, EH-31; 208-526-4379, FAX 208-526-9650, jsp@inel.gov.

DOE Documents Recently Published

DOE employees and DOE contractors may obtain copies from the DOE Office of Scientific and Technical Information (OSTI), P.O. Box 62, Oak Ridge, Tennessee 37831; telephone 423-576-8401 or FAX 423-576-5728.

Subcontractors and the general public may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, Virginia 22161; telephone 703-487-4650 or FAX 703-321-8547.

Copies of DOE technical standards (i.e., DOE Standards, Specifications, Handbooks, and Technical Standards Lists) are also available on the Internet at the address shown at the bottom of this page. The following DOE technical standards have recently been placed on the Internet:

- [DOE-HDBK-1080-97](#), *Guide to Good Practices for Oral Examinations*, September 1997.

- [DOE-STD-1027-92\(CH-1\)](#), *Hazard Categorization and Accident Analysis Techniques for Compliance with DOE Order 5480.23, Nuclear Safety Analysis Reports*, Change Notice No. 1, September 1997.

- [DOE-STD-1063-97](#), *Establishing and Maintaining a Facility Representative Program at DOE Facilities*, October 1997.

- [DOE-HDBK-1110-97](#), *ALARA Training for Technical Support Personnel* (with overhead transparencies), October 1997.

Non-Government Standards

American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government

standards (NGS) biweekly in *ANSI Standards Action*. Please note that distribution of *ANSI Standards Action* is normally made only to individual members of ANSI or in group mailings to site members of ANSI. For information on site membership, ask your local ANSI contact. For information on individual or group ANSI membership, call Susan Bose at 212-642-4948, Email sbose@ansi.org. For further information on distribution policies of ANSI publications, call the ANSI distribution manager at 212-642-4952.

Copies of *ANSI Standards Action* and ANSI-published documents may be obtained from ANSI, 11 West 42nd Street, New York, NY 10036 (212-642-4900, FAX 212-302-1286). Comments on listed draft standards may be submitted by contacting the standards developing organization for information.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a complete listing of changes and new publications, standards developing organizations, and additional information about submitting comments.

The following American National Standards are currently in coordination:

- ASHRAE/IESNA 90.1, *Buildings Except Low-Rise Residential Buildings* (provides minimum energy-efficient requirements for new construction - revision of ANSI/ASHRAE/IESNA 90.1-1989); comments due February 3, 1998.

Technical Standards Program Document Status as of 12/31/97

In Conversion	In Preparation	Out for Comment	Published in Past 30 Days
4	37	21	0

Total in process = 58



Visit the Technical Standards Program Web Site: <http://apollo.osti.gov/html/techstds/techstds.html>

- ASME BPVC Revision: 1998 Addenda, *ASME Boiler and Pressure Vessel Code* (revision of 9/9/97 Meeting); comments due February 17, 1998.
- ASME B30.11, *Monorails and Underhung Cranes* (revision of ANSI/ASME B30.11-1993); comments due February 3, 1998.
- ASME B30.17, *Overhead and Gantry Cranes (Top Running Bridge, Single Girder, Underhung Hoist)* (revision of ANSI/ASME B30.17-1992); comments due February 3, 1998.
- ASME B56.11.7, *Liquid Propane Gas (LPG) Fuel Cylinders (Horizontal or Vertical) Mounting - Liquid Withdrawal for Powered Industrial Trucks* (new standard); comments due February 17, 1998.
- ASME OM-Code 1998, *Code for Operation and Maintenance of Nuclear Power Plants* (revision of ANSI/ASME OM-Code 1995); comments due February 17, 1998.
- ASME OMA-S/G, *Standards and Guides for Operation and Maintenance of Nuclear Power Plants* (supplement to ANSI/ASME OM-S/G-1997); comments due February 17, 1998.
- ASME PTC 12.2, *Steam Surface Condensers* [revision of ANSI/ASME PTC 12.2-1983 (R1988)]; comments due February 3, 1998.
- ASTM B163, *Specification for Seamless Nickel and Nickel Alloy Condenser and Heat-Exchanger Tubes* (revision of ANSI/ASTM B163); comments due February 3, 1998.
- ASTM D347, *Tables for Volume and Specific Gravity Correction for Creosote and Coal Tar* (revision of ANSI/ASTM D347); comments due February 3, 1998.
- ASTM E122, *Practice for Choice of Sample Size to Estimate a Measure of Quality for a Lot or Process* (revision of ANSI/ASTM E122); comments due February 3, 1998.
- ASTM Z6780Z, *Specification for Selecting Chain Link Barrier Systems with Coated Chain Link Fence Fabric and Round Posts for Detention Applications* (new standard); comments due February 3, 1998.
- ASTM Z6801Z, *Classification of Insulating Coatings by Composition, Relative Insulating Ability and Application* (new standard); comments due February 3, 1998.
- AWS D1.6, *Stainless Steel Welding Code* (new standard); comments due February 3, 1998.
- UL 5A, *Standard for Safety for Nonmetallic Surface Raceways and Fittings* (new standard); comments due February 17, 1998.
- UL 412, *Standard for Safety for Refrigeration Unit Coolers* (revision of ANSI/UL 412-1992); comments due February 3, 1998.
- Z94.4, *Cost Engineering and Project Management* (revision and redesignation of ANSI Z94.0-1989); comments due February 3, 1998.
- Z94.10, *Management* (new standard - defines management terms); comments due February 3, 1998.
- Z94.13, *Occupational Health and Safety* (revision and redesignation of ANSI Z94.0-1989); comments due February 3, 1998.
- Z94.16, *Quality Reassurance and Reliability* (new standard); comments due February 3, 1998.

The following newly published American National Standards are available from ANSI:

- ANSI/ASME PTC 22-1997, *Performance Test Code on Gas Turbines*.

- ANSI MH27.1-1996, *Patented Track Underhung Cranes and Monorail Systems - Specifications*.
- ANSI/NFPA 51-1997, *Design and Installation of Oxygen-Fuel Gas Systems for Welding, Cutting, and Allied Processes*.
- ANSI/NFPA 69-1997, *Explosion Prevention Systems*.
- ANSI A10.37-1996, *Construction and Demolition Operations - Debris Net Systems Used During Construction and Demolition Operations*.
- ANSI S12.6-1997, *Methods for Measuring the Real-Ear Attenuation of Hearing Protectors*.

The following international standards are currently in coordination (comment due dates follow each entry):

- 7/515/FDIS, *Creep test procedures for stranded conductors* - January 15, 1998.
- 26/153/FDIS, IEC 60974-1: *Arc welding equipment - Part 1: Welding power sources* - January 15, 1998.
- 31/L47/FDIS, *Electrical apparatus for the detection and measurement of flammable gases - Part 1: General requirements and test methods* - January 15, 1998.
- 65A/246/FDIS, IEC 61069-6: *Industrial-process measurement and control - Evaluation of system properties for the purposes of system assessment - Part 6: Assessment of system operability* - January 15, 1998.
- 82/184/FDIS, Draft IEC 60904-7, 2nd Ed.: *Photovoltaic devices - Part 7: Computation of spectral mismatch error introduced in the testing of a photovoltaic device* - January 15, 1998.
- ISO/DIS 3007, *Petroleum products (and crude petroleum) - Determination of vapour pressure - Reid method* (revision of ISO 3007: 1986) - February 20, 1998.
- ISO/DIS 6405-1: 1997/DAM 2, *Earth-moving machinery - Symbols for operator controls and other displays - Part 1: Common symbols - Amendment 2: Additional symbols* - February 6, 1998.
- ISO/DIS 8501-3, *Preparation of steel substrates before application of paints and related products - Visual assessment of surface cleanliness - Part 3: Preparation grades of welds, cut edges and other areas with surface imperfections* - February 20, 1998.
- ISO/DIS 9408, *Water quality - Evaluation of ultimate aerobic biodegradability of organic compounds in aqueous medium by determination of oxygen demand in a closed respirometer* (revision of ISO 9408: 1991) - February 13, 1998.
- ISO/DIS 11610, *Protective clothing - Glossary of terms and definitions* - February 13, 1998.
- ISO/DIS 14532, *Natural gas - Terminology* - February 27, 1998.
- ISO/DIS 14832-1, *Fire resistance tests - Load-bearing elements of building construction - Part 1: Requirements for vertical separating load-bearing elements* - February 13, 1998.
- prEN 81-1: REVIEW, *Safety rules for the construction and installation of lifts - Part 1: Electric lifts* (for information).
- prEN 1097-2, *Test for mechanical and physical properties of aggregates - Part 2: Methods for the determination of resistance to fragmentation* (for information).
- prEN 1624, *Textiles and textile products - Burning behaviour of industrial and technical textiles - Procedure to determine the flame spread of vertically oriented specimens* (for information).

- prEN 1934, *Thermal performance of buildings - Determination of thermal resistance by hot box method using heat flow meter-Masonry* (for information).
- prEN 12975-1, *Thermal solar systems and components - Collectors - Part 1: General requirements* - March 9, 1998.
- prEN 12977-3, *Thermal solar systems and components - Custom built systems - Part 3: Performance characterisation of stores for solar heating systems* - March 9, 1998.
- prEN 13013-3, *Hydrothermal performance of buildings - Climatic data - Part 3: Calculation of a driving rain index for vertical surfaces from hourly wind and rain data* - March 16, 1998.
- prEN 13055-1, *Lightweight aggregates - Part 1: Lightweight aggregates for concrete and mortar* - April 13, 1998.
- prEN 13062, *Products and systems for the protection and repair of concrete structures - Test method - Determination of thixotropy of products for protection of reinforcement* - March 16, 1998.
- prEN ISO 4256 REVIEW, *Liquefied petroleum gases - Determination of gauge vapour pressure - LPG method* (ISO 4256: 1996) - March 9, 1998.
- prEN ISO 10510, *Tapping screw and washer assemblies with plain washers* (ISO/DIS 10510: 1997) - February 28, 1998.
- prEN ISO 11610, *Protective clothing - Glossary of terms and definitions* (ISO/DIS 11610: 1997) - March 13, 1998.
- prEN ISO 13437, *Geotextiles and geotextile-related products - Method for installing and extracting samples in soil and testing specimens in laboratory* (ISO/FDIS 13437: 1997) (for information).
- prEN ISO 13623, *Petroleum and natural gas industries - Pipeline transportation systems* (ISO/DIS 13623: 1997) - February 16, 1998.

The following newly published international standards are available from ANSI:

- IEC 60076-8: 1997, *Power transformers - Application guide*.
- IEC 60227-2: 1997, *Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V - Part 2: Test methods*.
- IEC 60609-2: 1997, *Cavitation pitting evaluation in hydraulic turbines, storage pumps and pump-turbines - Part 2: Evaluation in Pelton turbines*.
- IEC 60309-2: 1997, *Plugs, socket-outlets and couplers for industrial purposes - Part 2: Dimensional interchangeability requirements for pin and contact-tube accessories*.
- IEC 61430: 1997, *Secondary cells and batteries - Test methods for checking the performance of devices designed for reducing explosion hazards - Lead-acid starter batteries*.
- IEC 61496-2: 1997, *Safety of machinery - Electro-sensitive protective equipment - Part 2: Particular requirements for equipment using active opto-electronic protective devices (AOPDs)*.
- ISO/TR 7507-6: 1997, *Petroleum and liquid petroleum products - Calibration of vertical cylindrical tanks - Part 6: Recommendations for monitoring, checking and verification of tank calibration and capacity table*.
- ISO/TR 15510: 1997, *Stainless steels - Chemical composition*.

American Society for Testing and Materials

Standards activities of the American Society for Testing and Materials (ASTM) are published monthly in *ASTM Standardization News*. Or-

ders for subscriptions or single copies of *ASTM Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9691 (FAX 610-832-9667). ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585 (FAX 610-832-9555). Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division at 610-832-9672 (FAX 610-832-9666). ASTM has developed a World Wide Web home page at the following URL: <http://www.astm.org>. The following listings are extracted from *ASTM Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

The following ASTM standards are currently in coordination:
(the due date for all items is January 10, 1998).

- New Standard, *Guide for Removal of Oily Soils From Metal Surfaces* (Ref. Z6959Z).
- E 170-97b, *Terminology Relating to Radiation Measurements and Dosimetry* (revised standard).
- E 185-94, *Practice for Conducting Surveillance Tests for Light Water-Cooled Nuclear Power Reactor Vessels* (revised standard).
- E 261-96, *Practice for Determining Neutron Fluence Rate, and Spectra by Radioactivation Techniques* (revised standard).
- E 854-90, *Test Method for Application and Analysis of Solid State Track Recorder (SSTR) Monitors for Reactor Surveillance* (revised standard).

The following newly published standards are available from ASTM:

- A 336/A 336M-97, *Specification for Alloy Steel Forgings for Pressure and High-Temperature* (revised standard).
- A 418-96, *Test Method for Ultrasonic Examination of Turbine and Generator Steel Rotor* (revised standard).
- A 940/A 940M-96, *Specification for Vacuum Treated Steel Forgings, Alloy, Differentially Heat Treated, for Turbine Rotors* (revised standard).
- C 411-97, *Test Method for Hot-Surface Performance of High-Temperature Thermal Insulation* (revised standard).
- C 717-97, *Terminology of Building Seals and Sealants* (revised standard).
- C 1058-97, *Practice for Selecting Temperatures for Evaluating and Reporting Thermal Properties of Thermal Insulation* (revised standard).
- D 1632-96, *Practice for Making and Curing Soil-Cement Compression and Flexure Test Specimens in the Laboratory* (new standard).
- D 5875-95, *Guide for Use of Cable-Tool Drilling and Sampling, Methods for Geoenvironmental Exploration and the Installation of Sub-surface Water-Quality Monitoring Devices* (new standard).
- D 5884-95, *Test Method for Determining the Tearing Strength of Internally Reinforced Geomembranes* (new standard).
- D 6067-96, *Guide for Using the Electronic Cone Penetrometer for Environmental Site Characterization* (new standard).
- D 6074-97, *Guide for Characterizing Hydrocarbon Lubricant Base Oils* (new standard).

- E 176-97a, *Terminology of Fire Standards* (revised standard).
- E 906-97a, *Test Method for Heat and Visible Smoke Release Rates for Materials and Products* (revised standard).
- E 1528-96, *Practice for Environmental Site Assessments: Transaction Screen Process* (revised standard).
- E 1579-94, *Guide for Ensuring Data Integrity in Highly Computerized Laboratory Operations* (revised standard).
- E 1819-96, *Guide for Environmental Monitoring Plans for Decommissioning of Nuclear Facilities* (new standard).
- F 496-97, *Specification for In-Service Care of Insulating Gloves and Sleeves* (revised standard).

American National Standards Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

Industrial Safety Equipment Association (ISEA)

Office: 1901 North Moore Street
Arlington, VA 22209

Fax: 703-528-2148

Email: czfargo@safetycentral.org

Contact: Cristine Fargo

- ISEA 107, *High Visibility Safety Apparel* (new standard).

Underwriters Laboratories, Inc.

Office: 1285 Walt Whitman Road
Melville, NY 11747-3081

Fax: 516-439-6021

Email: ketchamh@ul.com

Contact: Helen Ketcham

- UL 44, *Standard for Safety Rubber-Insulated Wires and Cables* (revision of ANSI/UL 44-1991).
- UL 83, *Standard for Safety for Thermoplastic-Insulated Wires and Cables* (revision of ANSI/UL 83-1991).
- UL 1694, *Standard for Safety for Tests for Flammability of Small Polymeric Component Materials* (new standard).

Comments, Questions, and Addresses

Comments: If you have any questions or comments, please contact Rick Serbu, EH-31, Manager, DOE Technical Standards Program Office (TSPO), 301-903-2856, FAX 301-903-6172, Email Richard.Serbu@eh.doe.gov. If you have any questions or comments on DOE standards projects, please contact Don Spellman, Oak Ridge National Laboratory (ORNL), 423-574-7891, FAX 423-574-0382, Email spellmandj@ornl.gov.

Addresses: To update our distribution list, please contact Marty Marchbanks, ORNL, 423-241-3658, FAX 423- 574-0382, Email mmf@ornl.gov.

Technical Standards Activities: The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 423-574-7886, Email lj8@ornl.gov.



Standards *Actions*

United States Department of Energy

Office of Scientific and Technical Information

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